AMENDMENTS TO THE CLAIMS

1.   (Currently Amended)   A packet communication system comprising:

a plurality of terminals, and

transferring means for transferring multicast packets written with the same information to said plurality of terminals;

wherein said transferring means comprises:

a broadcast group managing router provided with: holding means for holding calculation type addresses having bits "1" corresponding to those of said plurality of terminals to which a multicast packet is to be transferred, respectively; and assigning/sending means for assigning a pertinent calculation type address to a multicast packet and [[sends]] sending out the multicast packet; and

at least one calculation type address calculating router provided with: holding means for holding directional route masks having bits "1" corresponding to those directional routes into which a multicast packet is to be transferred, respectively; and sending means for sending out a multicast packet to those directional routes which are given with logical products of "1" by the combination of each directional route mask and said assigned calculation type address; and

wherein each of said plurality of terminals comprises:

holding means for holding a terminal mask having a bit "1" corresponding to the terminal itself; and

multicast packet receiving means for receiving a multicast packet which is given with a logical product of "1" by the combination of said terminal mask and said assigned calculation type address.

2.   (Currently Amended)   A mobile communication system comprising:

a mobile terminal;

a plurality of broadcast receiving routers communicated to said mobile terminal via radio link;

encapsulating means for encapsulating a uni-cast packet destined to said mobile terminal into a multicast packet destined to said plurality of broadcast receiving routers; and

transferring means for transferring the multicast packet;

wherein said transferring means comprises:

a mobile terminal position managing router provided with: holding means for holding calculation type addresses having bits "1" corresponding to those of said plurality of broadcast receiving routers to which a multicast packet is to be transferred, respectively; and assigning/sending means for assigning a pertinent calculation type address to a multicast packet and [[sends]] sending out the multicast packet; and

at least one calculation type address calculating router provided with: holding means for holding directional route masks having bits "1" corresponding to those directional routes into which a multicast packet is to be transferred, respectively; and sending means for sending out a multicast packet to those directional routes which are given with logical products of "1" by the combination of each directional route mask and said assigned calculation type address; and

wherein each of said plurality of broadcast receiving routers comprises:

holding means for holding a terminal mask having a bit "1" corresponding to the terminal itself;

5

multicast packet receiving means for receiving a multicast packet which is given with a logical product of "1" by the combination of said terminal mask and said assigned calculation type address; and

de-capsulating means for de-capsulating the received multicast packet into a uni-cast packet destined to said mobile terminal.

3.   (Currently Amended)   An addressing method for communication, comprising:

at least one calculation type address having bits "1" corresponding to destinations to which a multicast packet is to be transferred;

at least one directional route mask having bits "1" corresponding to those directional routes into which a multicast packet is to be transferred; and

at least one terminal mask having a bit "1" corresponding to that destination which is to receive [[the]] a multicast packet.

6